Project Name: KENNEBEC DREDGE DISPOSAL
No. of Samples in Folder: 1
G010810001
G010810002

CERTIFICATION

The HETL hereby certifies that all test results for this report were analyzed by the method listed and meet all NELAC requirements, unless otherwise noted.

Kenneth G. Pote, PhD., Director
Richard French, Quality Assurance Officer

If we can be of further assistance to you, Please Call us at 287-1716

Approved by:

Thomas Crosby
Inorganics Supervisor/Chemist III
HETL Sample Number: G010810001

Matrix: SOLID
Sampler: DOROTHY KELLY

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>Units</th>
<th>Qualifier</th>
<th>RL</th>
</tr>
</thead>
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<tr>
<td>Cadmium</td>
<td>&lt; 3</td>
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<td>3.0</td>
</tr>
<tr>
<td>Chromium</td>
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<td>Lead</td>
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<td>mg/Kg</td>
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Description: MUCK-1 SOLID
Sample Point:
Sample Date: 3/17/2011 Time: 15:00:00

Method | Analyst | Analysis Date
---|---------|-----------------|
6010B  | m_boulon| 3/30/2011
6010B  | m_boulon| 3/30/2011
6010B  | m_boulon| 3/30/2011

Comment: MUCK-1, the per cent of material finer than the 200 screen was 34.1.
Attached By: JOHNN Date: 05/06/2011

Comment: SAND-2, the per cent of material finer than the 200 screen was 35.6.
Attached By: JOHNN Date: 05/06/2011

Comment: The method for sieve analysis at the HETL has not been accredited.
Attached By: JOHNN Date: 05/06/2011

Time | 15:16
---|---
Time | 15:18
Time | 15:20

Page 2 of 3
5/6/2011 8:53:30PM
Units & Measurement

"mg/L" = Milligrams per liter;  "ug/L" = Micrograms per Liter;  "mg/Kg" = Milligrams per Kilogram;
"ug/Kg" = Micrograms per Kilogram;  "PPM" = Parts per Million;  "NTU" = Nephelometric Turbidity Units;

All solid results on a "Dry Weight" basis

NC = Not confirmed  NQ = Not Quantitated  NA = Not Analyzed  J = Approximately  U = Undetected  R = Rejected

RL-Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
"<" = Less than  ">" = Greater than

Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Disclaimer

Your report consists of the number of pages listed on the cover page. Any attachments after the last numbered page are for informational purposes only and not part of the formal report.

The results in this report are for the submitted sample(s) only.

This report shall not be reproduced, except in full, without written permission from the Maine Health and Environmental Testing Laboratory.
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<tr>
<th>Sieve name</th>
<th>SIEVE SIZE (MM)</th>
<th>mass sample</th>
<th>mass retained on sieve</th>
<th>mass + sample</th>
<th>mass retained on sieve</th>
<th>per cent retained</th>
<th>total wt on sieve</th>
<th>per cent finer</th>
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<td>585.52</td>
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<td>SIEVE SIZE</td>
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<td>mass retained on sieve</td>
<td>TOTAL MASS RETAINED</td>
<td>per cent retained</td>
<td>per cent finer</td>
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<td>100</td>
<td>0</td>
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<td>sieve size</td>
<td>grain size (mm)</td>
<td>% finer</td>
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<td></td>
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</table>

![Graph showing grain size vs. % finer](image-url)
### SAND 2

<table>
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<tr>
<th>Sieve Size</th>
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<th>% Finer</th>
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</thead>
<tbody>
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<td>2.3</td>
<td>98.87</td>
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<tr>
<td>10</td>
<td>2</td>
<td>97.09</td>
</tr>
<tr>
<td>20</td>
<td>0.85</td>
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<td>0.25</td>
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<tr>
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<td>0.075</td>
<td>35.56</td>
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<tr>
<td>Pan</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

![Graph showing grain size vs % finer](image)
Project Name: KENNEBEC DREDGE DISPOSAL
No. of Samples in Folder 2
   G010810001, G010810002

CERTIFICATION

The HETL hereby certifies that all test results for this sample were analyzed by the **method** listed, including preservation, preparation, and holding times, unless otherwise indicated.

Kenneth G. Pote, Ph.D., Director
Richard French, Quality Assurance Officer

If we can be of further assistance to you, Please Call us at 287-1716

Approved by:  

James E. Curlett
Organics Supervisor/Chemist III

CC:
3/31/2011 1:50:40PM
HETL Sample Number: G010810002

Matrix: SOLID

Sampler: DOROTHY KELLY

Method: 

Analyst: Katabdin Lab 

Sample Date: 3/17/2011 

Analysis Date/time: 03/21/11

Attached By: James Curlett 

Date: 3/31/2011 12:00:00 AM  

Time: 10:31

Comment: TOC analyzed at Katabdin result 51 mg/g dry weight see attached
Units & Measurement

"mg/L" = Milligrams per liter; "ug/L" = Micrograms per Liter; "mg/Kg" = Milligrams per Kilogram;
"ug/Kg" = Micrograms per Kilogram; "PPM" = Parts per Million; "NTU" = Nephelometric Turbidity Units;

The MCL, Maximum Contaminant Level is listed for comparing your results with recommended levels.
In the "Qualifier" column, an "*" is placed to indicate any results that exceed this MCL.

If there are no "*" in the "Qualifier" column, your water is considered satisfactory for those tests.

All solid results are reported on a "Dry Weight" basis.

NC = Not confirmed  NQ = Not Quantitated  NA = Not Analyzed  J = Approximately  U = Undetected  R = Rejected

RL - Reporting Limit is the lowest concentration which can be reliably reported on a routine basis.
"<" = Less than  ">" = Greater than

MCL - Maximum Contaminant Level is the highest level allowed by EPA for public water supplies. Also used here as the maximum advisory limit set by the Maine Centers for Disease Control and Prevention.

Note: Results below the advisory limit, including < and J are considered satisfactory for that parameter.

Disclaimer

Your report consists of the number of pages listed on the cover page. Any attachments after the last numbered page are for informational purposes only and not part of the formal report.
The results in this report are for the submitted sample(s) only.
This report shall not be reproduced, except in full, without written permission from the Maine Health and Environmental Testing Laboratory.
March 30, 2011

Mr. James Curlett
Health & Environmental Testing Lab
221 State Street, Station 12
Augusta, ME 04333

RE: Katahdin Lab Number: SE1364
    Project ID: Muck-1:TOC
    Project Manager: Ms. Shelly Brown
    Sample Receipt Date(s): March 22, 2011

Dear Mr. Curlett:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Quality Control Data Summary
* Chain of Custody (COC)
* Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to http://www.katahdinlab.com/cert.html for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,

KATAHDIN ANALYTICAL SERVICES

[Signature]

Authorized Signature

03/30/2011

Date
The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ) (previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a greater rate for false negatives, i.e. greater than 1%, than those results reported as "U" PQL/LOQ or "U" LOD.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H1 Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H2 Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H3 Please note that the regulatory holding time for sulfate is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfate for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H4 Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

DM-003 - Revision 2 - 11/02/2010
# Report of Analytical Results

**Client:** James Curlett  
Health & Environmental Testing Lab  
221 State Street, Station 12  
Augusta, ME 04333

**Lab Sample ID:** SE1364-1  
**Report Date:** 30-MAR-11  
**Client PO:** HETL 032111  
**Project:** Muck-1:TOC  
**SDG:** SE1364

## Sample Description

**MUCK-1**

<table>
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<tbody>
<tr>
<td>TOC in Soil</td>
<td>51000</td>
<td>910</td>
<td>LLOYDKAHN</td>
<td>WG99439</td>
<td>23-MAR-11 16:26:23</td>
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<td>BDS</td>
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<tr>
<td>Total Solids</td>
<td>44.9%</td>
<td>1</td>
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<td>25-MAR-11 10:34:00</td>
<td>ASTM D2216</td>
<td>24-MAR-11</td>
<td>ARE</td>
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### TOC in Soil

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<th>Samp Type</th>
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<th>Anal. Method</th>
<th>Anal. Date</th>
<th>Prep. Date</th>
<th>Result</th>
<th>POL</th>
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<tr>
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### Total Solids

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<td>24-MAR-11</td>
<td>U 1 %</td>
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### Quality Control Report
#### Laboratory Control Sample Summary Report

#### TOC in Soil

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<th>Prep Date</th>
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<th>Spike Amt.</th>
<th>Result</th>
<th>Recovery</th>
<th>Acceptance Range</th>
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#### Total Solids

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**Notes:** Please do 2 again. Sieve analyses. Muck -1, Sandy accumulation - 2.

Sampled By: Dorothy Kelly  Date/Time: 3/17/2011

Received By: D. T. Date/Time: MAR 21, 2011: am 10:14

Temperature on Arrival: 22 °C

If the sample is deemed hazardous it may be returned to the client at your expense for proper disposal.

By signing this Chain-of-Custody you agree that the limit of The HETL's liability to be the cost of the analytical fees in question.